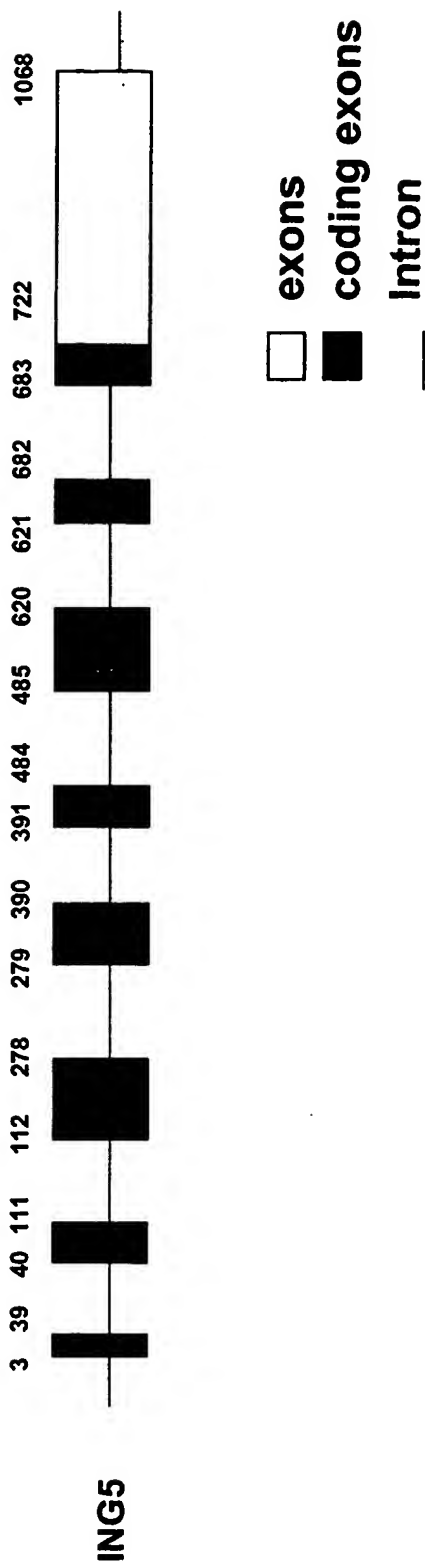


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FIGURE 1



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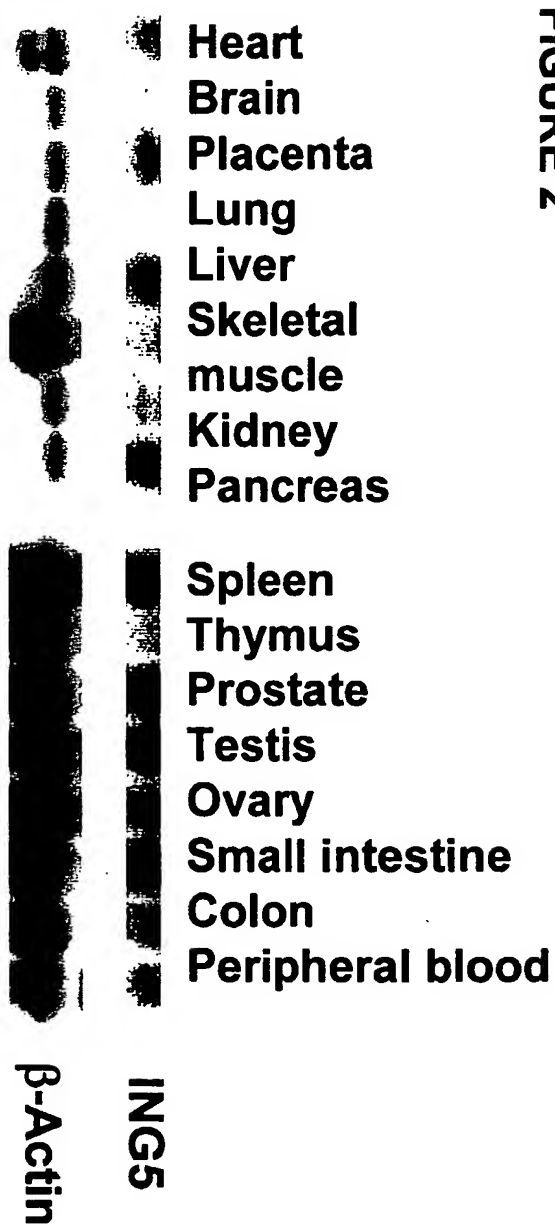


FIGURE 2

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FIGURE 3**RKO cells transfected with**

pcDNA
pcDNA-ING3
pcDNA-ING4
pcDNA-ING5

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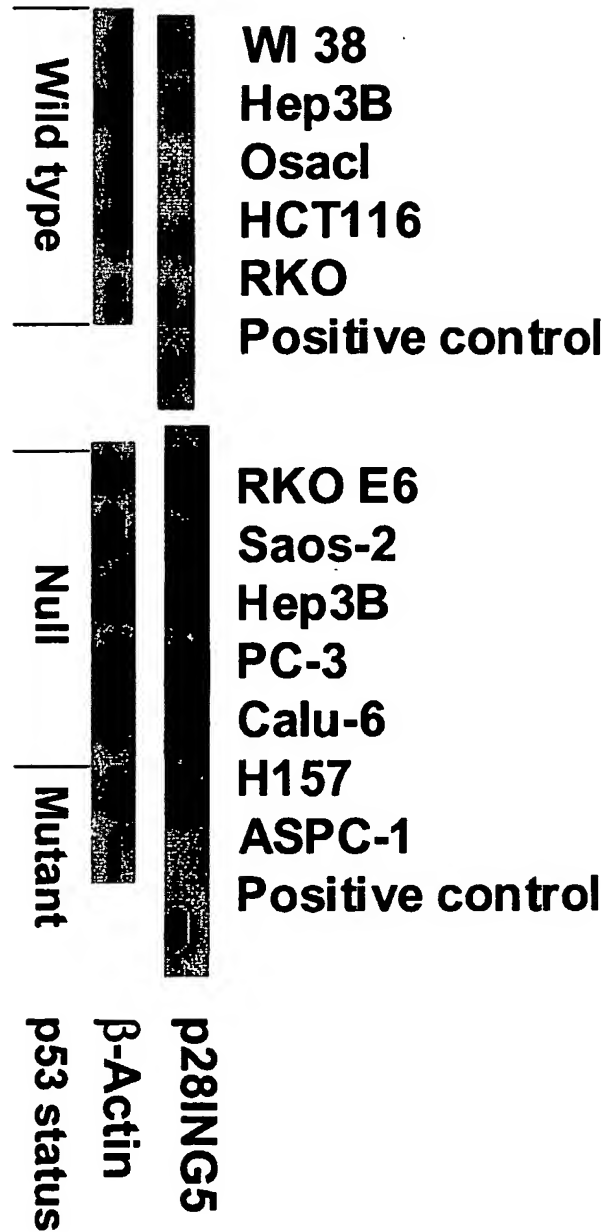
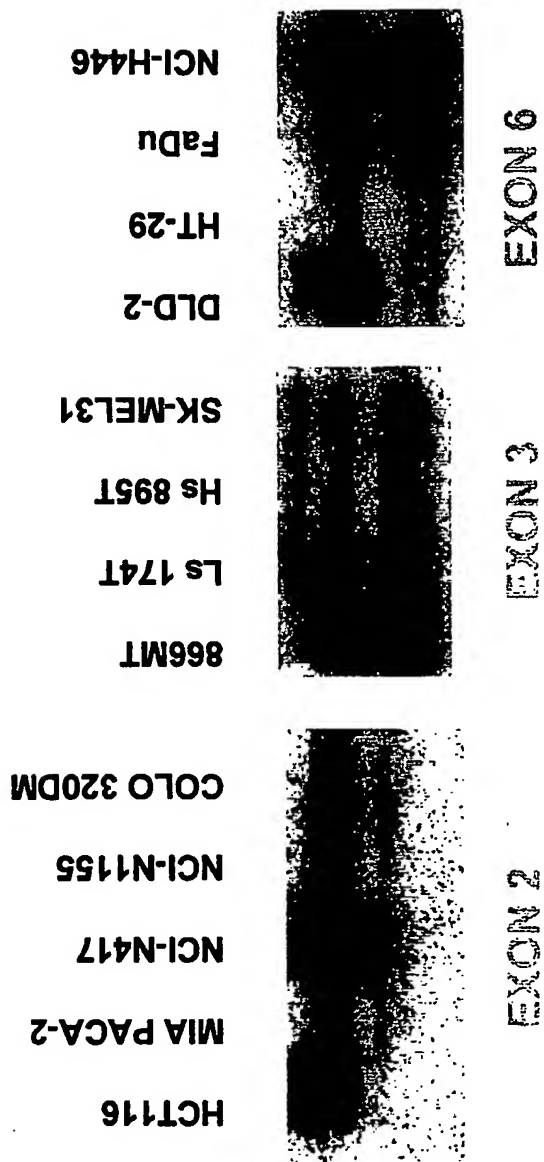


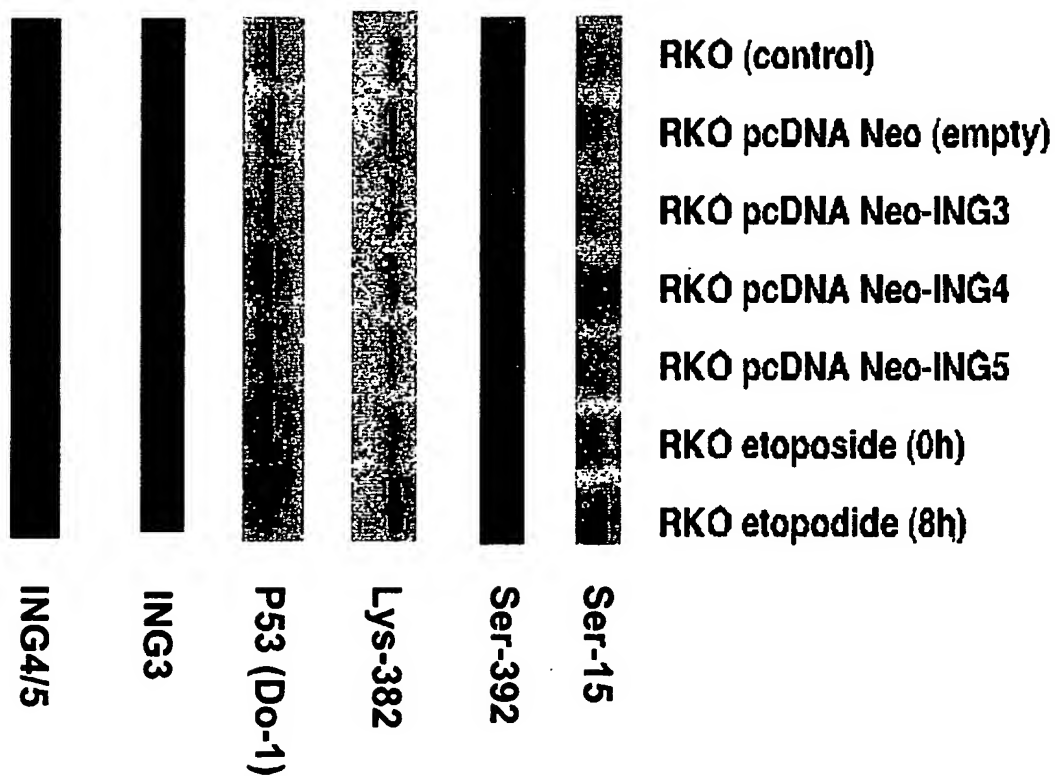
FIGURE 4

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FIGURE 5



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FIGURE 6

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FIG. 7

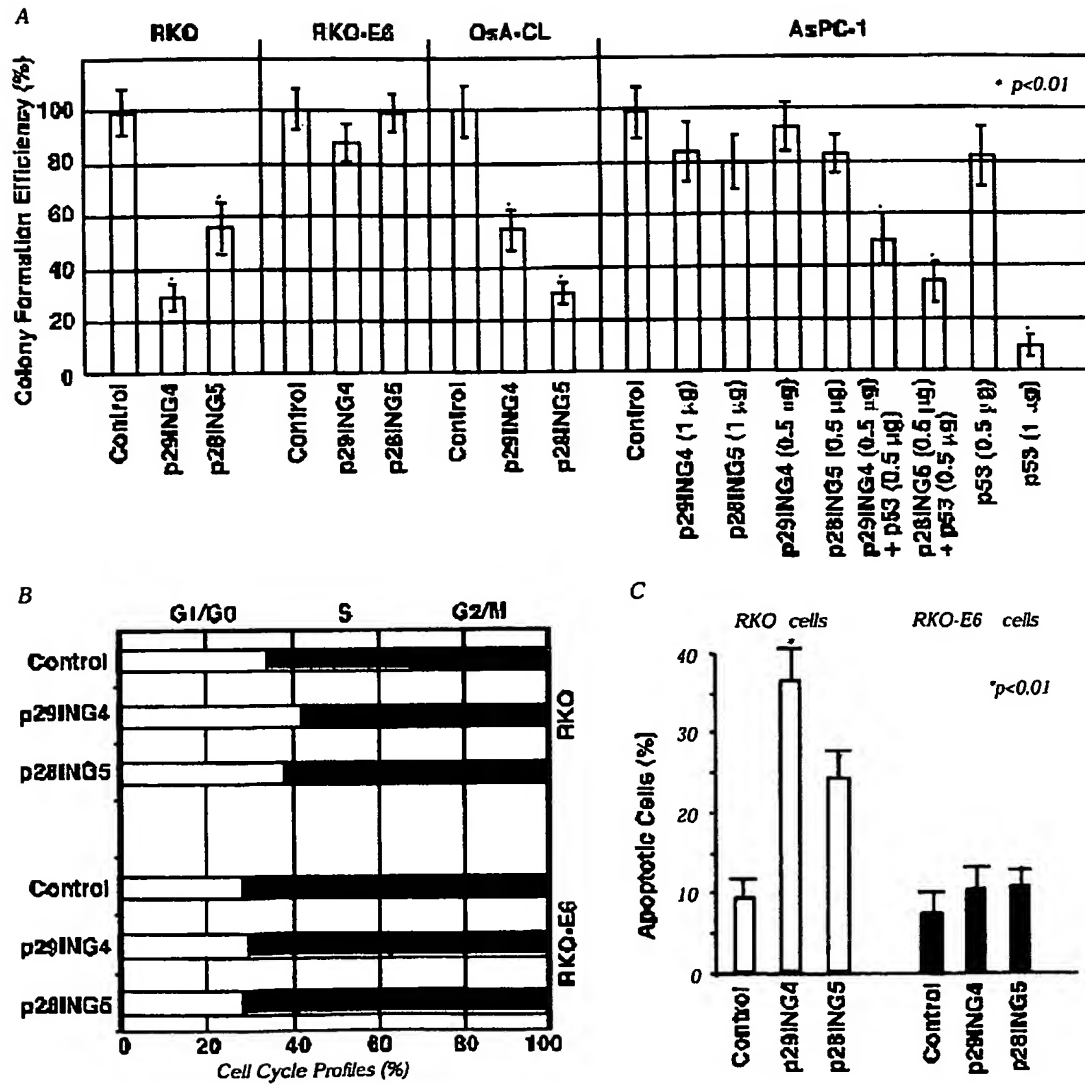
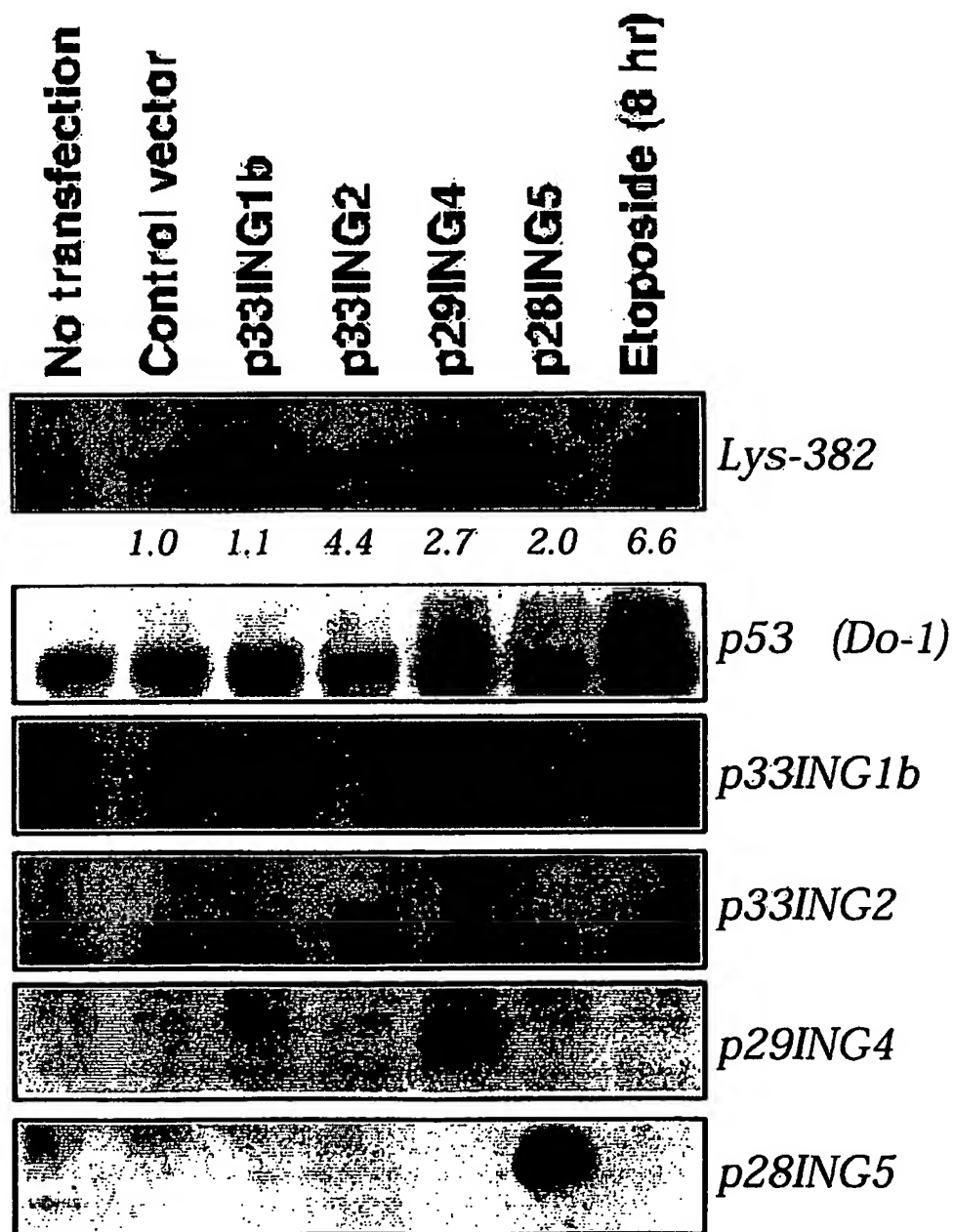


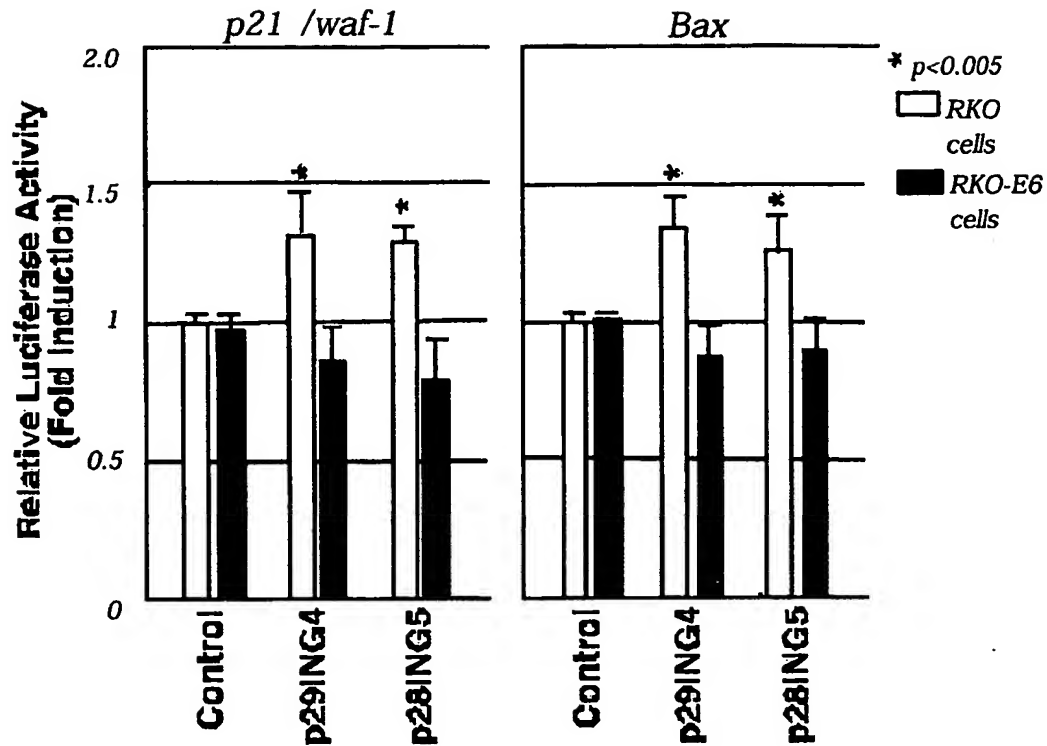
FIG. 8



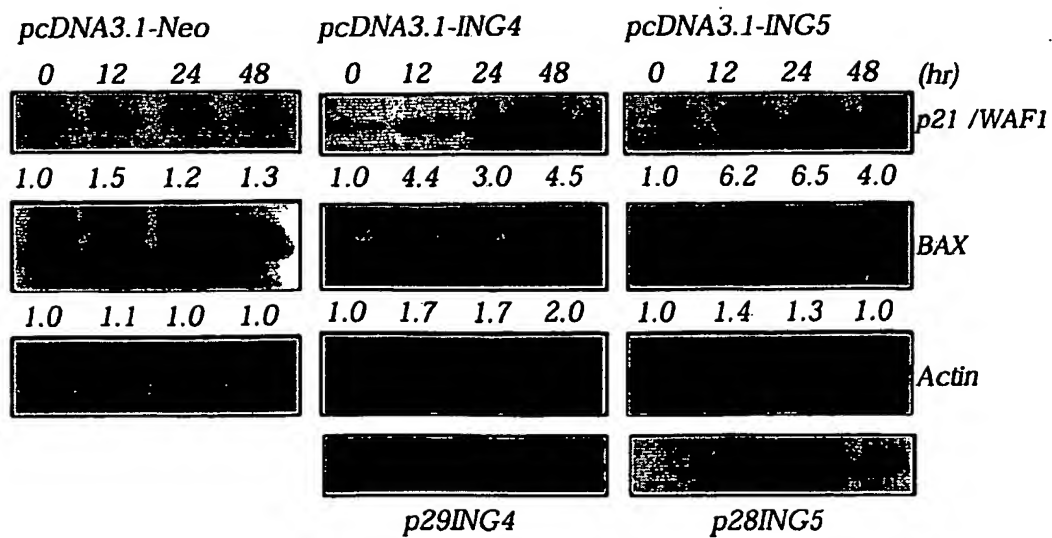
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FIG. 9

A



B



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A

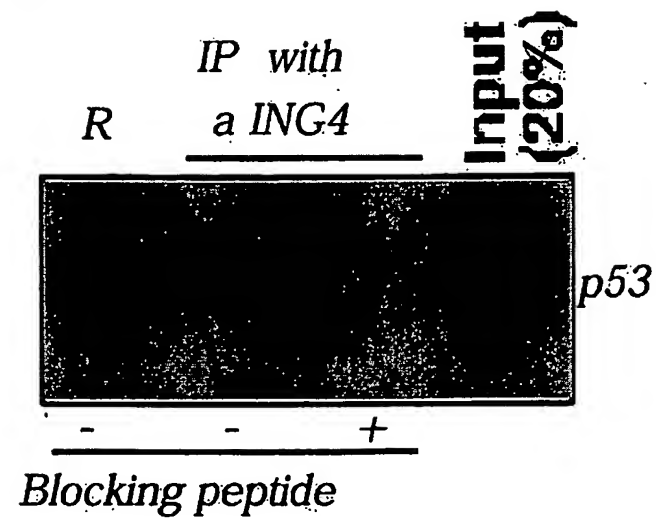
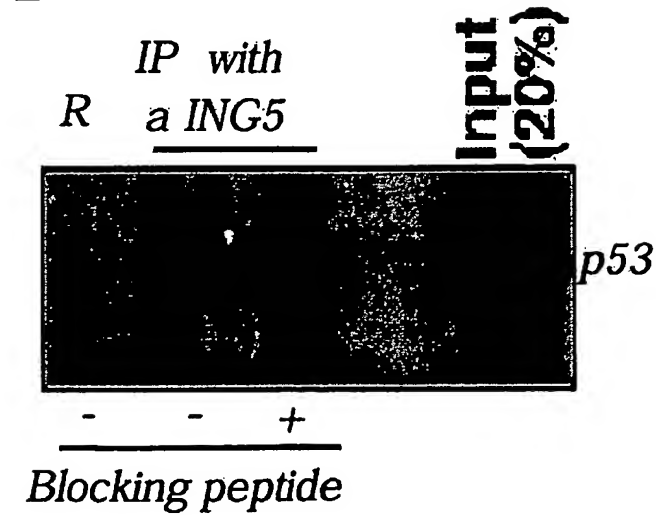


FIG. 10

B



C

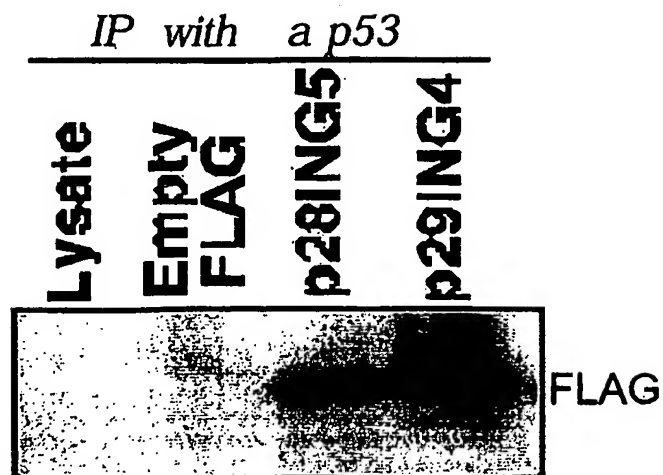


FIG. 11

A

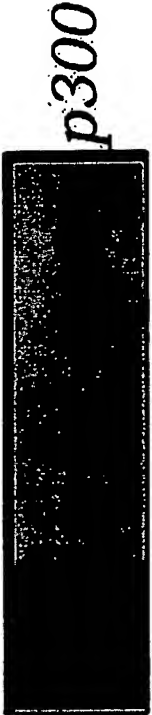
FLAG-ING4

a b I



FLAG-ING5

a b I



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B

Whole cell

lysate

IP : p300

a b c d e a b c d



p33ING1b 1 -----MLSPANGEQLQLHLVN-VV-----SFFSFFVS-----IAKYEIL
p33ING2 1 MLGQQQQQLYSSAALLTGERSRLLTCTVQ-----ECVESLHIMVSVL-----ANKYEITL
p47ING3 1 -----MLV-----EMTQ-----RDRTER-----MLQV NAM
p29ING4 1 -----MAAGM-----FE-----Q-----D-----ORTEDLK
p28ING5 1 -----MATAM-----H-----INCE-----Q-----ORTEDKK

p33ING1b 49 KHL ECYERFS---RETDGA-----KRRMHCVRELIRSOQL-----IVSMVSL ENRTQ
p33ING2 61 KQLDVYEKK---EDDLN-----KRLQQLRELINSOQL-----IVTML ENRAQ
p47ING3 37 DQLEQRVSEFFMNAKKNKPWEREQMASTKKDNYALADA-----NITD-----RLAK
p29ING4 40 A-----KLATSMSSARSLSEE LAL KQ-----EGCKFA-----MATHMAMK IIR
p28ING5 40 A-----ILAASTISTVITLSPD-----RVEREOKR-----SCKEYS-----MATHMAMK IIR

p33ING1b 106 VSHVEL-----QQLG-----
p33ING2 118 MELHSQODPAIS-----
p47ING3 97 -----QEKKME-----ADNAGITEILERRSLELDTPSQPVNNHHAHSHTPVEKRKYNPSTSHHT
p29ING4 100 -----TD-----RHEAD-----KEK-----
p28ING5 100 -----RHEAD-----KDK-----

p33ING1b 121 -----DTAGNSGKAGADREKGEAAQAAD
p33ING2 132 -----ERASDKAKMD-----ER--SSR
p47ING3 157 TTDHIPEKKFKSEALLSTLTSDASKENTLGCRRNNNSTASSNNAYNVN-----QLGSGYNIGSL
p29ING4 115 -----QIESDYDSS-----KKG-----
p28ING5 115 -----MEGSDPFESSGGRGL-----

p33ING1b 144 KPNS-----KRSRRO-----NNENRENASSNHDH-----
p33ING2 151 RP-----RROSTSESRLCHMANGI-----
p47ING3 217 SSGTGAGAITMAAAQAVQATAQME-----RTSSLSKASYEAFKNNDPQLGKEFSMARETVGYS
p29ING4 130 -----KSTQKEKKAARARSKG-----
p28ING5 129 -----KSGQKEKRGSRGRGR-----

p33ING1b 169 -----DDGASGT-----E-----T-----SKKK-----
p33ING2 171 -----EDCDQP-----E-----SAKKK-----
p47ING3 277 SSSALMTTLTQNASSAADSRSGRSNNNNKSSSQSSSSSSSSSLSSCSSSTTVQEIS
p29ING4 148 -----KNSDEEA-----T-----AQ-----LV-----RTPEYG-----
p28ING5 146 -----RTSEEDT-----K-----H-----GGSEF-----

p33ING1b 188 -KRSKAKAEREA-----PALE-----I-----DE-----S-----NH
p33ING2 190 -KRSKAKQEREA-----PVEFAI-----I-----Q-----S-----STY
p47ING3 337 QQTTVVPESDSNQVWYTY-----I-----V-----Q-----Y-----EA
p29ING4 173 MPSVTFGSHPSDVLAMV-----I-----Q-----S-----P-----A-----T
p28ING5 165 --TDTILSVHPSDVLAMV-----I-----Q-----S-----P-----A-----T

* * * * *

p33ING1b 247 -----RG-----N-----TMDKALEKSKKERAYNR
p33ING2 249 -----RGDN-----TMDKSTETKKDRSR--
p47ING3 397 -----QTAAMKRRGRSRHK-----
p29ING4 233 -----R-----F-----S-----R-----K-----
p28ING5 223 -----R-----F-----S-----R-----K-----

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